

(ii) Description of the actions taken following each bag leak detection system alarm.

(iii) Calculation of the percent of time the alarm on the bag leak detection system sounded during the reporting period.

(6) *Frequency of reports.* (i) The owner or operator must submit reports pursuant to § 63.10(e)(3) that are associated with excess emissions events such as the excursion of the scrubber pressure drop limit per paragraph (b)(2) of this section. These reports are to be submitted on a quarterly basis, unless the owner or operator can satisfy the requirements in § 63.10(e)(3) to reduce the frequency to a semiannual basis.

(ii) All other reports specified in paragraphs (b)(1) through (b)(5) of this section must be submitted semiannually.

§ 63.1660 Recordkeeping requirements.

(a) General recordkeeping requirements.

(1) The owner or operator of a ferromanganese and silicomanganese production facility must comply with all of the recordkeeping requirements under § 63.10.

(2) As required by § 63.10(b)(2), the owner or operator must maintain records for 5 years from the date of each record of:

(i) The occurrence and duration of each startup, shutdown, or malfunction of operation (i.e., process equipment and control devices);

(ii) The occurrence and duration of each malfunction of the source or air pollution control equipment;

(iii) All maintenance performed on the air pollution control equipment;

(iv) Actions taken during periods of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the startup, shutdown, and malfunction plan;

(v) All information necessary to demonstrate conformance with the startup, shutdown, and malfunction plan when all actions taken during periods of startup, shutdown, and malfunction (including corrective actions) are consistent with the procedures specified in

such plan. This information can be recorded in a checklist or similar form (see § 63.10(b)(2)(v));

(vi) All required measurements needed to demonstrate compliance with the standard and to support data that the source is required to report, including, but not limited to, performance test measurements (including initial and any subsequent performance tests) and measurements as may be necessary to determine the conditions of the initial test or subsequent tests;

(vii) All results of initial or subsequent performance tests;

(viii) If the owner or operator has been granted a waiver from recordkeeping or reporting requirements under § 63.10(f), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements;

(ix) If the owner or operator has been granted a waiver from the initial performance test under § 63.7(h), a copy of the full request and the Administrator's approval or disapproval;

(x) All documentation supporting initial notifications and notifications of compliance status required by § 63.9; and

(xi) As required by § 63.10(b)(3), records of any applicability determination, including supporting analyses.

(b) Specific recordkeeping requirements.

(1) In addition to the general records required by paragraph (a) of this section, the owner or operator must maintain records for 5 years from the date of each record of:

(i) Records of pressure drop across the venturi if a venturi scrubber is used.

(ii) Records of manufacturer certification that monitoring devices are accurate to within 5 percent (unless otherwise specified in this subpart) and of calibrations performed at the manufacturer's recommended frequency, or at a frequency consistent with good engineering practice, or as experience dictates.

(iii) Records of bag leak detection system output.

(iv) An identification of the date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were

initiated, the cause of the alarm, an explanation of the actions taken, and the date and time the alarm was corrected.

(v) Copy of the written maintenance plan for each air pollution control device.

(vi) Copy of the fugitive dust control plan.

(vii) Records of each maintenance inspection and repair, replacement, or other corrective action.

(2) All records for the most recent 2 years of operation must be maintained on site. Records for the previous 3 years may be maintained off site.

§ 63.1661 Delegation of authorities.

In delegating implementation and enforcement authority to a State under subpart E of this part, the Administrator retains no authorities.

§§ 63.1662–63.1679 [Reserved]

APPENDIX A TO PART 63—TEST METHODS

METHOD 301—FIELD VALIDATION OF POLLUTANT MEASUREMENT METHODS FROM VARIOUS WASTE MEDIA

1. Applicability and principle

1.1 *Applicability.* This method, as specified in the applicable subpart, is to be used whenever a source owner or operator (hereafter referred to as an “analyst”) proposes a test method to meet a U.S. Environmental Protection Agency (EPA) requirement in the absence of a validated method. This Method includes procedures for determining and documenting the quality, i.e., systematic error (bias) and random error (precision), of the measured concentrations from an effected source. This method is applicable to various waste media (i.e., exhaust gas, wastewater, sludge, etc.).

1.1.1 If EPA currently recognizes an appropriate test method or considers the analyst's test method to be satisfactory for a particular source, the Administrator may waive the use of this protocol or may specify a less rigorous validation procedure. A list of validated methods may be obtained by contacting the Emission Measurement Technical Information Center (EMTIC), Mail Drop 19, U.S. Environmental Protection Agency, Research Triangle Park, NC 27711, (919) 541-0200. Procedures for obtaining a waiver are in Section 12.0.

1.1.2 This method includes optional procedures that may be used to expand the applicability of the proposed method. Section 7.0 involves ruggedness testing (Laboratory Evaluation), which demonstrates the sensitivity of the method to various parameters.

Section 8.0 involves a procedure for including sample stability in bias and precision for assessing sample recovery and analysis times; Section 9.0 involves a procedure for the determination of the practical limit of quantitation for determining the lower limit of the method. These optional procedures are required for the waiver consideration outlined in Section 12.0.

1.2 *Principle.* The purpose of these procedures is to determine bias and precision of a test method at the level of the applicable standard. The procedures involve (a) introducing known concentrations of an analyte or comparing the test method against a validated test method to determine the method's bias and (b) collecting multiple or collocated simultaneous samples to determine the method's precision.

1.2.1 *Bias.* Bias is established by comparing the method's results against a reference value and may be eliminated by employing a correction factor established from the data obtained during the validation test. An offset bias may be handled accordingly. Methods that have bias correction factors outside 0.7 to 1.3 are unacceptable. Validated method to proposed method comparisons, section 6.2, requires a more restrictive test of central tendency and a lower correction factor allowance of 0.90 to 1.10.

1.2.2 *Precision.* At the minimum, paired sampling systems shall be used to establish precision. The precision of the method at the level of the standard shall not be greater than 50 percent relative standard deviation. For a validated method to proposed method equivalency comparisons, section 6.2, the analyst must demonstrate that the precision of the proposed test method is as precise as the validated method for acceptance.

2. Definitions

2.1 *Negative bias.* Bias resulting when the measured result is less than the “true” value.

2.2 *Paired sampling system.* A sampling system capable of obtaining two replicate samples that were collected as closely as possible in sampling time and sampling location.

2.3 *Positive bias.* Bias resulting when the measured result is greater than the “true” value.

2.4 *Proposed method.* The sampling and analytical methodology selected for field validation using the method described herein.

2.5 *Quadruplet sampling system.* A sampling system capable of obtaining four replicate samples that were collected as closely as possible in sampling time and sampling location.

2.6 *Surrogate compound.* A compound that serves as a model for the types of compounds being analyzed (i.e., similar chemical structure, properties, behavior). The model can be